# CIDS

## Coastal & Island Defense System

The Coastal & Island Defense System (CIDS) is an advanced, **cost-effective and highly responsive artillery rocket-based defense solution against attacking vessels.** The versatile system enables end-to-end firing mission management, including visual detection and incrimination, process monitoring, and abort capability. CIDS provides the strategic and operational capabilities required to meet modern naval challenges.

### Versatile multi-mission capability

Based on Elbit Systems' fully operational PULS™ rocket artillery system, CIDS is designed to effectively neutralize attacking vessels. The autonomous PULS™ multi-purpose launcher provides a comprehensive and cost-effective solution for precise firing of all types of advanced rockets. The launcher and missile unit is designed to deliver immediate and optimal response to any coastal threat. Unlike standard artillery, with PULS™ there is no need to move artillery units based on the required firing range; the versatile solution can fire a variety of ammunition types from the same position to ranges of up to 300km.

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**Long-range sensors:** CIDS features long-range Unmanned Aircraft Systems (UAS) with unique visual capabilities that enable effective target detection, incrimination, and Battle Damage Assessment (BDA). The sensors are designed to operate in the most challenging areas highly populated with potential targets. The UAS system constantly communicates with the PULS™ system, to provide the missiles with updated target coordinates for enhanced mission control.

**C⁴I and communication:** A dedicated command and control system and advanced data communication systems enable end-to-end firing mission management. The operator monitors the firing process to validate target neutralization, or abort the mission if necessary – key features in highly populated target areas.

**Multi-purpose PULS™ platform:** The PULS™ unit initiates a firing mission with the appropriate missile, based on range and target characteristics. The launcher features dedicated PODS for each rocket type: the Accular (18 rockets) with a range of up to 40km, the EXTRA (4 rockets) with a range of up to 150km and the Predator Hawk (2 rockets) with a range of up to 300km. The versatile launcher is adaptable to existing platforms; it can be mounted on a typical 6x6 truck, significantly reducing logistical and operational costs.

**Advanced neutralization capabilities:** The supersonic ballistic missiles enable versatile trajectories, delivering unique velocity and vertical hitting angles for enhanced precision and penetration of both land and naval targets. The missiles are equipped with an advanced unitary warhead that enables either penetration or controlled fragmentation, initiated above the target via a proximity fuze. The warheads are capable of neutralizing key systems on the vessel deck, such as communications, munitions canisters and radars. The advanced penetration warhead is capable of penetrating 80cm of reinforced concrete, and is designed to maintain the same hitting vector without the "J" effect. CIDS missiles do not transmit while in flight (RF readings only), which makes them harder to detect and intercept.

## Key Benefits

- Multi-mission capability
- End-to-end mission management
- High-precision, rapid response
- 24/7 all-weather operational capability
- The most cost-effective solution for neutralizing attacking vessels

## Key Features

- Advanced unitary warheads with versatile trajectories
- Integrated C⁴I and communications systems
- Long-range sensors
- Multi-purpose rocket launcher

**Coastal Radar**

**MPA / UAV**

**C⁴I**

**Remote Controlled Fixed Launcher (RCFL)**

**SP Launcher (PULS™)**

**Long & Medium Range Missiles**


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